



ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY

**Environment, Health, & Safety
Training Program**

EHS0473 ~ Radiation Protection – Radiation Worker II

Course Syllabus

Subject Category:	Radiation Protection	Course Prerequisite:	EHS0471 & 472
Course Length:	2.5 Hours	Medical Approval:	NO
Delivery Mode:	Class		
Schedule:	As Needed		
Location/Time:	Bldg 88 / As Needed		

Course Purpose: To provide training commensurate with a job assignment that requires an employee to work in a posted Contamination Area (CA), High Contamination Area (HCA), Airborne Radioactivity Area (ARA) or High Radiation Area (HRA). This course is designed to inform employees of the proper work practices and requirements needed for work in a CA, HCA, ARA, or HRA, and to enable them to work safely within such areas. This course is mandatory prior to commencing work in a CA, HCA, ARA, or HRA under any Radiation Work Authorization (RWA) or Radiation Work Permit (RWP). Other radiation protection courses may also be required and will be specified in the RWA, or RWP covering the work.

Course Objectives: EHS0473 covers the following topics:

- Describes the differences between fixed, removable, and airborne contamination.
- Contamination Area, High Contamination Area, Airborne Contamination Area, and High Radiation Area will be defined.
- Describes sources of radioactive contamination.
- Describe the methods of minimizing radiation exposure.
- Describes the various controls used to minimize and control radioactive contamination.
- Describes the proper actions to take in an emergency.
- The proper technique for donning and doffing protective clothing will be identified.
- Describes the requirements for entering, working in, and exiting a CA, HCA, ARA, or HRA.

Course Instructional Materials:

- Radiation safety postings and signs
- Power Point Presentation

Instructors: Jeffrey Bramble (x6242)

Training Compliance Requirements: This course is designed to meet, in part, the requirements of 10CFR835 section 901. Other training, such as On-The-Job Training (OJT) may also be required depending on the work assignment.

Course Handouts:

- Copy of power point presentation.

Participant Evaluation: Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

Written Exam: A written exam must be completed with a minimum score of 80%

Practical Exam: Proper donning/doffing of personnel protective equipment (PPE) and proper use of survey instruments must be demonstrated.

Retraining/Recertification: Yes. Every Two Years

WEB Resource: EH&S Training Program website: www.lbl.gov/ehs/training/index.shtml